

EAST SEARCH HISTORY

HITS	QUERY	DATABASE
2	2020030582	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
12	("5550359") or ("5842182") or ("5959541") or ("6073841") or ("6075455") or ("6154727")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
6	("5550359") or ("5842182") or ("5959541") or ("6073841") or ("6075455") or ("6154727")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
1	0560574.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
4	560574.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
1	(electronic adj1 collaborative adj1 education).ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
19	pare.in. and 382.clas.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
4	6618806.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
2	6618806.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
2	6119096.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
2	6092192.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

9 (US-6688891-\$ or US-5642182-\$ or US-5550359-\$ or US-6154727-\$ or US-6075455-\$ or US-5959541-\$ or US-6073841-\$).did. or (US-20020030582-\$).did. or (EP-560574-\$).did.	USPAT; US-PPGPUB; EPO
7 ((US-6688891-\$ or US-5842182-\$ or US-5550359-\$ or US-6154727-\$ or US-6075455-\$ or US-5959541-\$ or US-6073841-\$).did. or (US-20020030582-\$).did. or (EP-560574-\$).did.) and (biometric or iris or irides or finger?print or fingerprint or (finger adj1 print))	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM_TDB
10 (attendance with time) same (biometric or iris or irides or finger?print or fingerprint or (finger adj1 print)) and 382.clas. and @ad<20000530	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM_TDB
2 6643779.pn.	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM_TDB
37 (time with attendance) and 382.clas.	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM_TDB
19190377 (time with attendance) and 382.clas. adn @ad<20000530	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM_TDB
1470 (time with attendance)	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM_TDB
118 (time with attendance) and ((terminal or node or client) with (report or log or account or history))	USPAT; US-PPGPUB; EPO; JPO; DERWENT; IBM_TDB

0 (((time with attendance) and ((terminal or node or client) with (report or log or account or history)) and @ad<20000530) and 382.clas.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB			
24 (((time with attendance) and ((terminal or node or client) with (report or log or account or history)) and @ad<20000530	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB			
2 5337043.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB			
14 (US-5842182-\$ or US-5550359-\$ or US-6075455-\$ or US-6618806-\$ or US-6119096-\$ or US-6092192-\$ or US-5959541-\$ or US-6643779-\$ or US-6119933-\$ or US-6073841-\$ or US-6688891-\$ or US-6154727-\$). did. or (US-20020030582-\$). did. or (EP-560574-\$). did.	USPAT; US-PGPUB; EPO			
4 ((US-5842182-\$ or US-5550359-\$ or US-6075455-\$ or US-6618806-\$ or US-6119096-\$ or US-6092192-\$ or US-5959541-\$ or US-6643779-\$ or US-6119933-\$ or US-6073841-\$ or US-6688891-\$ or US-6154727-\$). did. or (US-20020030582-\$). did. or (EP-560574-\$). did.) and poll\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB			
1 (US-6119933-\$). did.	USPAT			
1 ((US-6119933-\$). did.) and biometric	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB			

106	token near biometric	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB			
39	token near biometric and @ad<20000526	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB			
84	5280527.URPN.	USPAT			
84	5280527.URPN.	USPAT			
2	(biometric and (time with attendance) and (classroom or school or class?room or student)) and @ad<20000526	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB			
57	biometric and (time with attendance) and (classroom or school or class?room or student)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB			
163	(time with attendance) and (classroom or school or class?room or student)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB			
43	((time with attendance) and (classroom or school or class?room or student)) and @ad<20000526	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB			
1	(US-6073841-\$).did	USPAT			
7	("4868376" "4993068" "5053956" "5717776" "592869" "5965860" "5929773").PN.	USPAT			
3	(US-6073841-\$ or US- 6173153-\$ or US-6633223- \$).did	USPAT			
3	((US-6073841-\$ or US- 6173153-\$ or US-6633223- \$).did) and time	USPAT			
1031	1 and attendance	USPAT			
3	((US-6073841-\$ or US- 6173153-\$ or US-6633223- \$).did) and attendance	USPAT			

14	("4973305" "5199068" "5311570" "5488356" "5509083" "5594806" "5675627" "5947747" "5974034" "6024287" "6040783" "6144848" "6230970" "6292092").PN.	USPAT
0	6653223.LRPN.	USPAT
0	6173153.LRPN.	USPAT
13	("3416243" "3491464" "4731525" "4764120" "4767335" "5294813" "5218535" "5273437" "5294229" "5496175" "5513994" "5557553" "5956696").PN.	USPAT
1	(US-5947747-\$).did.	USPAT
1	((US-5947747-\$).did.) and (time or attendance)	USPAT; US-PGPUB; EPO; JPO; DERVENT; IBM_TDB
1	((US-5947747-\$).did.) and (biometric)	USPAT; US-PGPUB; EPO; JPO; DERVENT; IBM_TDB
19	(US-6154727-\$ or US-6075455-\$ or US-6073841-\$ or US-5955541-\$ or US-5842182-\$ or US-5550359-\$ or US-6688891-\$ or US-6119096-\$ or US-6618806-\$ or US-6092192-\$ or US-6643779-\$ or US-6119933-\$ or US-6175923-\$ or US-6633223-\$ or US-6173153-\$ or US-5947747-\$).did. or (EP-2002030582-\$).did. or (US-560574-\$).did. or (US-5280527-\$).did.	USPAT; US-PGPUB; EPO; DERVENT

6	((US-6154727-\$ or US-6075455-\$ or US-6073841-\$ or US-5959541-\$ or US-5842182-\$ or US-5550359-\$ or US-6688891-\$ or US-6119096-\$ or US-6618806-\$ or US-6092192-\$ or US-5550359-\$ or US-6643779-\$ or US-6119933-\$ or US-6175923-\$ or US-6633223-\$ or US-6173153-\$ or US-5947747-\$) did. or (US-200200582-\$) did. or (EP-560574-\$) did. or (US-5280527-\$) did.) and audit\$5	USPAT; US-PGPUB; EPO; DERVENT				
11	((US-6154727-\$ or US-6075455-\$ or US-6073841-\$ or US-5959541-\$ or US-5842182-\$ or US-5550359-\$ or US-6688891-\$ or US-6119096-\$ or US-6618806-\$ or US-6092192-\$ or US-5550359-\$ or US-6643779-\$ or US-6119933-\$ or US-6175923-\$ or US-6633223-\$ or US-6173153-\$ or US-5947747-\$) did. or (US-200200582-\$) did. or (EP-560574-\$) did. or (US-5280527-\$) did.) and company	USPAT; US-PGPUB; EPO; DERVENT				
39	biometric with laptop	USPAT; US-PGPUB; EPO; DERVENT				
3	biometric with laptop and 382.clas. and @ad<20000526	USPAT; US-PGPUB; EPO; DERVENT				
3	biometric with laptop and 382.clas. and @ad<20000526	USPAT; US-PGPUB; EPO; JPO; DERVENT; IBM_TDB				
4	biometric same laptop and 382.clas. and @ad<20000526	USPAT; US-PGPUB; EPO; JPO; DERVENT; IBM_TDB				

4	biometric same laptop and 382.clas. and @ad<20000526	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB				
4	(biometric same laptop) and 382.clas. and @ad<20000526	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB				
19	(biometric and laptop) and 382.clas. and @ad<20000526	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB				
43	((biometric or fingerprint or finger?print or (finger adj1 print)) and laptop) and 382.clas. and @ad<20000526	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB				
21	((biometric or fingerprint or finger?print or (finger adj1 print)) same laptop) and 382.clas. and @ad<20000526	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB				
4	("5204896" "5940526" "5963438" "6130811").PN.	USPAT				
22	((biometric or fingerprint or finger?print or (finger adj1 print)) same (laptop or lap?top)) and 382.clas. and @ad<20000526	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB				
45	((biometric or fingerprint or finger?print or (finger adj1 print)) and (laptop or lap?top)) and 382.clas. and @ad<20000526	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB				
16	((biometric or fingerprint or finger?print or (finger adj1 print)) and (pda or personal adj1 digital adj1 assistant)) and 382.clas. and @ad<20000526	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB				
19	(biometric or fingerprint or finger?print or (finger adj1 print)) and setlak.in. and 382.clas. and @ad<20000526	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB				

16	((biometric or fingerprint or finger?print or (finger adj1 print)) and (pda or (personal adj1 digital adj1 assistant)) and 382.clas. and @ad<20000526	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB			
297	((biometric or fingerprint or finger?print or (finger adj1 print)) and (pda or (personal adj1 digital adj1 assistant)) and @ad<20000526	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB			
24	(US-6092192-\$ or US-5959541-\$ or US-6119933-\$ or US-5842182-\$ or US-5947747-\$ or US-6688891-\$ or US-6119096-\$ or US-6175923-\$ or US-6173153-\$ or US-6154727-\$ or US-6633223-\$ or US-6088585-\$ or US-6075455-\$ or US-6618806-\$ or US-5550359-\$ or US-6073841-\$ or US-6643779-\$ or US-6509847-\$ or US-6628812-\$ or US-6016476-\$ or US-5828773-\$).did. or (US-20020030582-\$).did. or (EP-560574-\$).did. or (US-5280527-\$).did.	USPAT; US-PGPUB; EPO; DERWENT			

9	((US-6092192-\$ or US-559541-\$ or US-5842182-\$ or US-5947747-\$ or US-619096-\$ or US-6175923-\$ or US-673153-\$ or US-6154727-\$ or US-6633223-\$ or US-6688585-\$ or US-6073455-\$ or US-6618806-\$ or US-550359-\$ or US-6073841-\$ or US-6643779-\$ or US-6609847-\$ or US-6622812-\$ or US-6016476-\$ or US-5328773-\$).did. or (US-20020030582-\$).did. or (EP-560574-\$).did. or (US-5280527-\$).did.) and clock	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB			
48	((biometric or fingerprint or finger?print or (finger adj1 print) same clock) and 382.clas. and @ad<200000526	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB			
1	(US-20020030582-\$).did.	US-PGPUB			
1	((US-20020030582-\$).did.) and audit	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB			
0	6175923.URPN.	USPAT			
23	("412374" "462134" "5067162" "5280527" "5420924" "5557665" "5572597" "5613012" "574555" "5787154" "5805668" "5815252" "5825871" "58388812" "5864613" "5872834" "5887140" "5907597" "5982913" "6002784" "6005963" "6031942" "6075876").PN.	USPAT			

74	fingerprint same button and 382.clas.	USPAT; US-PGPUB; EPO; JPO; DERVENT; IBM_TDB						
45	(fingerprint same button and 382.clas.) and @ad<2000526	USPAT; US-PGPUB; EPO; JPO; DERVENT; IBM_TDB						
2	(US-6028950-\$ or US- 6041134-\$).did.	USPAT						
2	((US-6028950-\$ or US- 6041134-\$).did.) and (stored or memory)	USPAT; US-PGPUB; EPO; JPO; DERVENT; IBM_TDB						
0	6175923.URPN.	USPAT						
23	("4123747" "4621334" "5067162" "5280527" "5420924" "5557665" "5572597" "5613012" "5745555" "5787154" "5805686" "5815252" "5825871" "5838812" "5864613" "5872834" "5887140" "5907597" "5982913" "6002784" "6005963" "6031942" "6075876").PN.	USPAT						
2	6591001.pn.	USPAT; US-PGPUB; EPO; JPO; DERVENT; IBM_TDB						
2	20020034321	USPAT; US-PGPUB; EPO; JPO; DERVENT; IBM_TDB						
3	6526160	USPAT; US-PGPUB; EPO; JPO; DERVENT; IBM_TDB						
3	6591001	USPAT; US-PGPUB; EPO; JPO; DERVENT; IBM_TDB						
2	5177802.pn.	USPAT; US-PGPUB; EPO; JPO; DERVENT; IBM_TDB						
26	5177802.URPN.	USPAT						

119 (fingerprint same switch and 382.clas.) and @ad<20000526	USPAT; US-PGPUB; EPO; JPO; DERVENT; IBM_TDB
1475 time with attendance	USPAT; US-PGPUB; EPO; JPO; DERVENT; IBM_TDB
21 (time with attendance) and (wi?fi or (wireless adj LAN) or "802") and @ad<20000526	USPAT; US-PGPUB; EPO; JPO; DERVENT; IBM_TDB
1 (US-6236486-\$.did. 0 ((US-6236486-\$.did.) and biometric	USPAT
0 ((US-6236486-\$.did.) and fingerprint	USPAT; US-PGPUB; EPO; JPO; DERVENT; IBM_TDB
31 (US-6154727-\$.or US- 6075455-\$.or US-6073841-\$. or US-5939541-\$.or US- 5842182-\$.or US-5550359-\$. or US-6688891-\$.or US- 6618806-\$.or US-6119096-\$. or US-6092192-\$.or US- 6633223-\$.or US-6643779-\$. or US-6119933-\$.or US- 6175923-\$.or US-6088585-\$. or US-673153-\$.or US- 5947747-\$.or US-6628812-\$. or US-6509847-\$.or US- 5828773-\$.or US-6016476-\$. or US-6628757-\$.or US- 6041134-\$.or US-6028950-\$. or US-6522773-\$.or US- 6141436-\$.did. or (US- 6697947-\$.or US-6236486- \$.).did. or (US-20020030582- \$.).did. or (EP-560574-\$.).did. or (US-5280527-\$.).did.	USPAT; US-PGPUB; EPO; DERVENT

13	((US-6154727-\$ or US-6075455-\$ or US-6073841-\$ or US-5959541-\$ or US-5842182-\$ or US-5550359-\$ or US-6688891-\$ or US-6618806-\$ or US-6119096-\$ or US-6092192-\$ or US-6633223-\$ or US-6643779-\$ or US-6119833-\$ or US-6175923-\$ or US-6088585-\$ or US-6173153-\$ or US-5947747-\$ or US-6628812-\$ or US-6509847-\$ or US-5628773-\$ or US-6016476-\$ or US-6628757-\$ or US-6041134-\$ or US-6028950-\$ or US-6522773-\$ or US-6141436-\$).did. or (US-6697947-\$ or US-6236486-\$).did. or (US-20020030582-\$).did. or (EP-560574-\$).did. or (US-5280527-\$).did.) and ((real adj1 time) or real?time)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB				
	24210899.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB				
0	4210899.pn. and ((real adj1 time) or real?time)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB				
0	4210899.pn. and ((real adj1 time) or real?time)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB				
305	(time with attendance) and ((real adj1 time) or real?time)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB				
130	(time with attendance) and ((real adj1 time) or real?time) and @ad<20000526	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB				

13	(time with attendance) and ((real adj1 time) or real?time) and @ad<20000526 and 382.clas.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB				
38	(time with attendance) same ((real adj1 time) or real?time) and @ad<20000526	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB				
326	(time adj attendance)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB				
6	((time adj attendance)) and ((time and attendance) same ((real adj1 time) or real?time)) and @ad<20000526	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB				

EAST SEARCH TAGGED

patent #	type	pub date	title	class1	class2	inventor
US 6154727 A	USPAT	20001128	Visit verification	705/3	455/456; 1; 455/457; 705/2; 705/9	Karp, Edward W. et al.
US 20020030582 A1	US-PPUB	20020314	Integrating biometric devices in time and attendance applications	340/5.53	340/5.83	Depp, Mark et al.
US 6075455 A	USPAT	20000613	Biometric time and attendance system with epidermal topographical updating capability	340/5.82	382/115; 382/124; 382/125; 382/126; 382/127	DiMaria, Peter C. et al.
US 6073841 A	USPAT	20000613	System and method of tracking continuing education information using secure stored data devices	235/382	235/375; 235/380	Walton, Jane B.
US 5955541 A	USPAT	19990928	Biometric time and attendance system with epidermal topographical updating capability	340/5.52	340/5.54; 340/5.6; 382/115; 382/124; 382/125; 382/126; 382/127	DiMaria, Peter C. et al.
US 5842182 A	USPAT	19981124	Time and attendance event analysis and reporting	705/32	235/377; 705/11	Bonner, Michael D. et al.
US 5550359 A	USPAT	19960827	Time and attendance system and method therefor	235/382	235/380	Bennett, Michael J.
EP 560574 A2	EPO	19930915	Low cost method employing time slots for thwarting fraud in the periodic issuance of food stamps, unemployment benefits or other governmental human services.		382/115; 382/118	KUHNS, ROGER et al.
US 6888891 B1	USPAT	20040210	Method and apparatus for an electronic collaborative education process model	434/365	434/307R	Sanford, Michael D.

US 6618806 B1	USPAT	20030909	System and method for authenticating users in a computer network	713/186 713/200; 713/201; 713/202	709/225; 709/229; Brown, Timothy J. et al.
US 6119096 A	USPAT	20000912	System and method for aircraft passenger check-in and boarding using iris recognition	705/5 235/384; 382/117; 705/40	Mann, Stewart et al.
US 6092192 A	USPAT	20000718	Apparatus and methods for providing repetitive enrollment in a plurality of biometric recognition systems based on an initial enrollment	713/186 713/182	Kanevsky, Dimitri et al.
US 6633223 B1	USPAT	20031014	Wireless LAN scholastic tracking system	340/5.53 434/353	340/5.61; 382/115; Schenker, Andrew J. et al.
US 643779 B1	USPAT	20031104	Security system with embedded HTTP server	713/201	709/230; 713/186 Leung, Brian et al.
US 6119933 A	USPAT	20000919	Method and apparatus for customer loyalty and marketing analysis	235/380	235/381; 902/27 Wong, Earl Chang et al.
US 5280527 A	DERVENT	19940118	Biometric token authorising access to host system e.g. for electronic banking - combines correlation factor and time-varying or challenge code to generate token for display to user, who enters token at access device for host system		EDWARDS, E et al.
US 6175923 B1	USPAT	20010116	Secure system using images of only part of a body as the key where the part has continuously-changing features	713/186 713/170	382/124; 705/76; Bailey, Kenneth S.
US 6088585 A	USPAT	20000711	Portable telecommunication device including a fingerprint sensor and related methods	455/411 340/5.83; 379/93.03; 382/115; 382/124	Schmitt, John C. et al.

US 6173153 B1	USPAT	20010109	Method and apparatus for taking school attendance	434/307R 705/32	434/109; 434/308; 434/109; 434/308; 434/109; 434/308;	Bitman, Dean
US 5947747 A	USPAT	19990907	Method and apparatus for computer-based educational testing	434/354 380/251; 705/50	Walker, Jay S. et al.	
US 628812 B1	USPAT	20030930	Fingerprint sensor package having enhanced electrostatic discharge protection and associated methods	382/124		Setlak, Dale R. et al.
US 6509847 B1	USPAT	20030121	Pressure password input device and method	341/34 178/18.01; 340/5.5; 341/20; 341/22; 345/173; 382/124	178/18.01; 340/5.5; 341/20; 341/22; 345/173; 382/124	Anderson, Glen J.
US 5828773 A	USPAT	19981027	Fingerprint sensing method with finger position indication	382/126		Setlak, Dale R. et al.
US 6016476 A	USPAT	20000118	Portable information and transaction processing system and method utilizing biometric authorization and digital certificate security	705/1 705/26; 705/44; 705/65; 705/76; 713/186	705/26; 705/42; 705/44; 705/65; 705/76; 713/186	Maes, Stephane Herman et al.
US 6228757 B1	USPAT	20030930	Fingerprint-ID-activated message playback apparatus and method	379/67.1 379/93/03; 382/115; 713/186	379/67.1 379/93/03; 382/115; 713/186	Cannon, Joseph M. et al.
US 6041134 A	USPAT	20000321	Ergonomic fingerprint reader housing	382/126	382/115; 382/124	Merjanian, John Michael
US 6028950 A	USPAT	20000222	Fingerprint controlled set-top box	382/126 382/115; 382/124	382/126 382/115; 382/124	Merjanian, John Michael
US 6522773 B1	USPAT	20030218	Fingertip sensor with integrated key switch	382/124 340/5.83	382/124 340/5.83	Houdeau, Detlef
US 6141436 A	USPAT	20001031	Portable communication device having a fingerprint identification system	382/124 340/5.74	382/124 340/5.74	Srey, Lena et al.
US 6697947 B1	USPAT	20040224	Biometric based multi-party authentication	713/182 380/282; 380/285; 713/155; 713/180; 713/186	380/282; 380/285; 713/155; 713/180; 713/186	Matyas, Jr., Stephen Michael et al.

US 6236486 B1	USPAT	20010522	Data communication system for printer and handheld computer	398/129 400/88	398/117; 398/9;	Nocker, IV, William B.	
US 4210899 A	USPAT	19800701	Fingerprint-based access control and identification apparatus	382/125 382/127	340/5.53; 340/5.83; 382/127	Swonger, Claron W. et al.	
US 6330594 B1	USPAT	20011211	Multiple tier interfacing with network computing environment	709/219	709/203; 709/217	Swart, Marius	

✓